

Nasser Alabdulkarim

Electrical Engineer

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OBJECTIVE

Hard working and driven electrical engineering graduate seeking opportunity involving power engineering, system control or signal analysis. Strong mathematical mind with natural ability for problem solving and data analysis

EXPERIENCE

Snamprogetti E & C Co. Ltd., Saudi Arabia — *Electrical Engineer*

Oct 2018 - Oct 2020

- Worked with the electrical team in the asset department to maintain varieties of electrical equipment such as generators, distribution boards, welding machines, and etc.
- Reported to the electrical supervisor.
- Contributed to the asset team's archive to make electronic copies of all plan floors and data sheets of camp buildings, equipment, and facilities, and be accessible to the team via the shared drive.

EDUCATION

Merrimack College, USA — *Electrical Engineering*

Sep 2013 - Aug 2018

Related Courses:

Calculus I/II/III, Physics I/II, Analog Fundamentals, Digital Fundamentals, Computer Science I, Assembly for EE, Circuit theory I/II, Embedded Microprocessors, Electronics I/II, Differential Equations, Electromagnetics, Linear Signal and System, VLSI Design, Feedback Circuit, Power Engineering, Computer Architecture, Design Project I/II, Probability & Statistics.

PROJECTS

Power Meter

Sep 2017 - May 2018

- Designed AC current and voltage measurement tool using current transformer and AC-AC adapter.
- Sampled the current and voltage waveforms at 2.5 kHz using Arduino Mega 2560 Microcontroller.
- Analyzed the voltage and current signals using MATLAB for harmonics and power factor calculation.
- Calculated real, reactive and apparent power, and plotting instantaneous voltage, current, and power signals versus time.
- Tested and compared results with the power meter.

SKILLS

Design and troubleshoot electrical circuits.
Strong analytical and mathematical skills.
Advanced in computer skills (Windows, Mac, Android, iOS).
Team member, time manager, and efficiency are some of my strengths.
Microsoft Office
Software electrical skills

TRAINING/ CERTIFICATES

Professional Accreditation from SCE
Solar Pumping Solutions 1 from Grundfos
Modern Planning for Electric Power Systems from SCE
Saudi Electric Code SBC 401 from SCE
Arduino Platform to Control Things from SCE

LANGUAGES

Fluent in English and Arabic

Temperature controlled by user

Jan 2015 - May 2015

- Compared room temperature vs user input temperature using 8051 microprocessor.
- Turning on A/C or heater based on results simulated as two LEDs.

Light intensity

Sep 2015 - Dec 2015

- Arduino based project.
- Implementation of light energy into electrical engineering (photoresistor.)
- Sampled light vs time, and displayed the results in a graph